

atg agt aat aaa aac gtc aat gta agg aaa tcg cag gaa ata aca ttc Met Ser Asn Lys Asn Val Asn Val Arg Lys Ser Gln Glu Ile Thr Phe 1 5 10 15	48
tgc ttg ctg gca ggt atc ctg atg ttc atg gca atg atg gtt gcc gga Cys Leu Leu Ala Gly Ile Leu Met Phe Met Ala Met Met Val Ala Gly 20 25 30	96
cgc gct gaa gcg gga gtg gcc tta ggt gcg act cgc gta att tat ccg Arg Ala Glu Ala Gly Val Ala Leu Gly Ala Thr Arg Val Ile Tyr Pro 35 40 45	144
gca ggg caa aaa caa gtg caa ctt gcc gtg aca aat aat gat gaa aat Ala Gly Gln Lys Gln Val Gln Leu Ala Val Thr Asn Asn Asp Glu Asn 50 55 60	192
agt acc tat tta att caa tgg gtg gaa aat gcc gat ggt gta aag Ser Thr Tyr Leu Ile Gln Ser Trp Val Glu Asn Ala Asp Gly Val Lys 65 70 75 80	240
gat ggt cgt ttt atc gtg acg cct cct ctg ttt gcg atg aag gga aaa Asp Gly Arg Phe Ile Val Thr Pro Pro Leu Phe Ala Met Lys Gly Lys 85 90 95	288
aaa gag aat acc tta cgt att ctt gat gca aca aat aac caa ttg cca Lys Glu Asn Thr Leu Arg Ile Leu Asp Ala Thr Asn Asn Gln Leu Pro 100 105 110	336
cag gac cgg gaa agt tta ttc tgg atg aac gtt aaa gcg att ccg tca Gln Asp Arg Glu Ser Leu Phe Trp Met Asn Val Lys Ala Ile Pro Ser 115 120 125	384
atg gat aaa tca aaa ttg act gag aat acg cta cag ctc gca att atc Met Asp Lys Ser Lys Leu Thr Glu Asn Thr Leu Gln Leu Ala Ile Ile 130 135 140	432
agc gcg att aaa ctg tac tat cgc ccg gct aaa tta gcg ttg cca cnc Ser Arg Ile Lys Leu Tyr Tyr Arg Pro Ala Lys Leu Ala Leu Pro P o 145 150 155 160	480
gat cag gcc gca gaa aaa tta aga ttt cgt cgt agc gcg aat tct c g Asp Gln Ala Ala Glu Lys Leu Arg Phe Arg Arg Ser Ala Asn Ser L u 165 170 175	528
acg ctg att aac ccg aca ccc tat tac ctg acg gta aca gag ttg aat Thr Leu Ile Asn Pro Thr Pro Tyr Tyr Leu Thr Val Thr Glu Leu Asn 180 185 190	576
gcc gga acc cgg gtt ctt gaa aat gca ttg gtg cct cca atg gcc gaa Ala Gly Thr Arg Val Leu Glu Asn Ala Leu Val Pro Pro Met Gly G u 195 200 205	624
agc acg gtt aaa ttg cct tct gat gca gga agc aat att act tac cca Ser Thr Val Lys Leu Pro Ser Asp Ala Gly Ser Asn Ile Thr Tyr Arg 210 215 220	672
aca ata aat gat tat gcc gca ctt acc ccc aaa atg acg gcc gta arg Thr Ile Asn Asp Tyr Gly Ala Leu Thr Pro Lys Met Thr Gly Val Met 225 230 235 240	720
gaa taa Glu	726

Figure 1A

Met Ser Asn Lys Asn Val Asn Val Arg Lys Ser Gln Glu Ile Thr Phe
 1 5 10 15
 Cys Leu Leu Ala Gly Ile Leu Met Phe Met Ala Met Met Val Ala Gly
 20 25 30
 Arg Ala Glu Ala Gly Val Ala Leu Gly Ala Thr Arg Val Ile Tyr Pro
 35 40 45
 Ala Gly Gln Lys Gln Val Gln Leu Ala Val Thr Asn Asn Asp Glu Asn
 50 55 60
 Ser Thr Tyr Leu Ile Gln Ser Trp Val Glu Asn Ala Asp Gly Val Lys
 65 70 75 80
 Asp Gly Arg Phe Ile Val Thr Pro Pro Leu Phe Ala Met Lys Gly Lys
 85 90 95
 Lys Glu Asn Thr Leu Arg Ile Leu Asp Ala Thr Asn Asn Gln Leu Pro
 100 105 110
 Gln Asp Arg Glu Ser Leu Phe Trp Met Asn Val Lys Ala Ile Pro Ser
 115 120 125
 Met Asp Lys Ser Lys Leu Thr Glu Asn Thr Leu Gln Leu Ala Ile Ile
 130 135 140
 Ser Arg Ile Lys Leu Tyr Tyr Arg Pro Ala Lys Leu Ala Leu Pro Pro
 145 150 155 160
 Asp Gln Ala Ala Glu Lys Leu Arg Phe Arg Arg Ser Ala Asn Ser Leu
 165 170 175
 Thr Leu Ile Asn Pro Thr Pro Tyr Tyr Leu Thr Val Thr Glu Leu Asn
 180 185 190
 Ala Gly Thr Arg Val Leu Glu Asn Ala Leu Val Pro Pro Met Gly Glu
 195 200 205
 Ser Thr Val Lys Leu Pro Ser Asp Ala Gly Ser Asn Ile Thr Tyr Arg
 210 215 220
 Thr Ile Asn Asp Tyr Gly Ala Leu Thr Pro Lys Met Thr Gly Val Met
 225 230 235 240
 Glu

Figure 1B

atg aaa cga gtt att acc ctg ttt gct gta ctg ctg atg ggc tgg tgg	48
Met Lys Arg Val Ile Thr Leu Phe Ala Val Leu Leu Met Gly Trp Ser	
-20 -15 -10	
gta aat gcc tgg tca ttc gcc tgt aaa acc gcc aat ggt acc gct atc	96
Val Asn Ala Trp Ser Phe Ala Cys Lys Thr Ala Asn Gly Thr Ala Ile	
-5 -1 1 5 10	
cct att ggc ggt ggc agc gcc aat gtt tat gta aac ctt gcg ccc gtc	144
Pro Ile Gly Gly Gly Ser Ala Asn Val Tyr Val Asn Leu Ala Pro Val	
15 20 25	
gtg aat gtg ggg caa aac ctg gtc gtg gat ctt tgg acg caa atc tct	192
Val Asn Val Gly Gln Asn Leu Val Val Asp Leu Ser Thr Gln Ile Phe	
30 35 40	
tgc cat aac gat tat ccg gaa acc att aca gac tat gtc aca ctg caa	240
Cys His Asn Asp Tyr Pro Glu Thr Ile Thr Asp Tyr Val Thr Leu Gln	
45 50 55	
cga ggc tgg gct tat ggc ggc gtg tta tct aat ttt tcc ggg acc gta	288
Arg Gly Ser Ala Tyr Gly Gly Val Leu Ser Asn Phe Ser Gly Thr Val	
60 65 70 75	
aaa tat agt ggc agt agc tat cca ttt cct acc acc agc gaa acg ccg	336
Lys Tyr Ser Gly Ser Ser Tyr Pro Phe Pro Thr Thr Ser Glu Thr Pro	
80 85 90	
cgc gtt gtt tat aat tgg aga acg gat aag ccg tgg ccg gtg gcg ctt	384
Arg Val Val Tyr Asn Ser Arg Thr Asp Lys Pro Trp Pro Val Ala Leu	
95 100 105	
tat ttg acg cct gtg agc agt gcg ggc ggg gtg gcg att aaa gct gcc	432
Tyr Leu Thr Pro Val Ser Ser Ala Gly Gly Val Ala Ile Lys Ala Gly	
110 115 120	
tca tta att gcc gtg ctt att ttg cga cag acc aac aac tat aac agc	480
Ser Leu Ile Ala Val Leu Ile Leu Arg Gln Thr Asn Asn Tyr Asn Ser	
125 130 135	
gat gat ttc cag ttt gtg tgg aat att tac gcc aat aat gat gtg gtg	528
Asp Asp Phe Gln Phe Val Trp Asn Ile Tyr Ala Asn Asn Asp Val Val	
140 145 150 155	
gtg cct act ggc ggc tgc gat gtt tct gct cgt gat gtc acc gtt act	576
Val Pro Thr Gly Gly Cys Asp Val Ser Ala Arg Asp Val Thr Val Thr	
160 165 170	
ctg ccg gac tac cct ggt tca gtg cca att cct ctt acc gtt tat tgt	624
Leu Pro Asp Tyr Pro Gly Ser Val Pro Ile Pro Leu Thr Val Tyr Cys	
175 180 185	

Figure 1C

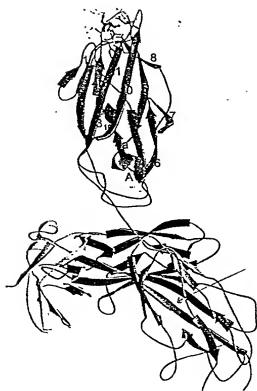
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Ala Lys Ser Gln Asn Leu Gly Tyr Tyr Leu Ser Gly Thr Thr Ala Asp	
190 195 200	
gcg ggc aac tcg att ttc acc aat acc gcg tcg ttt tca cct gca cag	720
Ala Gly Asn Ser Ile Phe Thr Asn Thr Ala Ser Phe Ser Pro Ala Gln	
205 210 215	
ggc gtc ggc gta cag ttg acg cgc aac ggt acg att att cca gcg aat	768
Gly Val Gly Val Gln Leu Thr Arg Asn Gly Thr Ile Ile Pro Ala Asn	
220 225 230 235	
aac acg gta tcg tta gga gca gta ggg act tcg gcg gtg agt ctg gga	816
Asn Thr Val Ser Leu Gly Ala Val Gly Thr Ser Ala Val Ser Leu Gly	
240 245 250	
tta acg gca aat tat gca cgt acc gga ggg cag gtg act gca ggg aat	864
Leu Thr Ala Asn Tyr Ala Arg Thr Gly Gly Gln Val Thr Ala Gly Asn	
255 260 265	
gtg caa tcg att att ggc gtg act ttt gtt tat caa taa	903
Val Gln Ser Ile Ile Gly Val Thr Phe Val Tyr Gln	
270 275	

Figure 1C (Cont'd)

Met Lys Arg Val Ile Thr Leu Phe Ala Val Leu Leu Met Gly Trp Ser
 -20 -15 -10
 Val Asn Ala Trp Ser Phe Ala Cys Lys Thr Ala Asn Gly Thr Ala Ile
 -5 -1 1 5 10
 Pro Ile Gly Gly Gly Ser Ala Asn Val Tyr Val Asn Leu Ala Pro Val
 15 20 25
 Val Asn Val Gly Gln Asn Leu Val Val Asp Leu Ser Thr Gln Ile Phe
 30 35 40
 Cys His Asn Asp Tyr Pro Glu Thr Ile Thr Asp Tyr Val Thr Leu Gln
 45 50 55
 Arg Gly Ser Ala Tyr Gly Gly Val Leu Ser Asn Phe Ser Gly Thr Val
 60 65 70 75
 Lys Tyr Ser Gly Ser Ser Tyr Pro Phe Pro Thr Thr Ser Glu Thr Pro
 80 85 90
 Arg Val Val Tyr Asn Ser Arg Thr Asp Lys Pro Trp Pro Val Ala Leu
 95 100 105
 Tyr Leu Thr Pro Val Ser Ser Ala Gly Gly Val Ala Ile Lys Ala Gly
 110 115 120
 Ser Leu Ile Ala Val Leu Ile Leu Arg Gln Thr Asn Asn Tyr Asn Ser
 125 130 135
 Asp Asp Phe Gln Phe Val Trp Asn Ile Tyr Ala Asn Asn Asp Val Val
 140 145 150 155
 Val Pro Thr Gly Gly Cys Asp Val Ser Ala Arg Asp Val Thr Val Thr
 160 165 170
 Leu Pro Asp Tyr Pro Gly Ser Val Pro Ile Pro Leu Thr Val Tyr Cys
 175 180 185
 Ala Lys Ser Gln Asn Leu Gly Tyr Tyr Leu Ser Gly Thr Thr Ala Asp
 190 195 200
 Ala Gly Asn Ser Ile Phe Thr Asn Thr Ala Ser Phe Ser Pro Ala Gln
 205 210 215
 Gly Val Gly Val Gln Leu Thr Arg Asn Gly Thr Ile Ile Pro Ala Asn
 220 225 230 235
 Asn Thr Val Ser Leu Gly Ala Val Gly Thr Ser Ala Val Ser Leu Gly
 240 245 250
 Leu Thr Ala Asn Tyr Ala Arg Thr Gly Gly Gln Val Thr Ala Gly Asn
 255 260 265
 Val Gln Ser Ile Ile Gly Val Thr Phe Val Tyr Gln
 270 275

Figure 1D

a



b

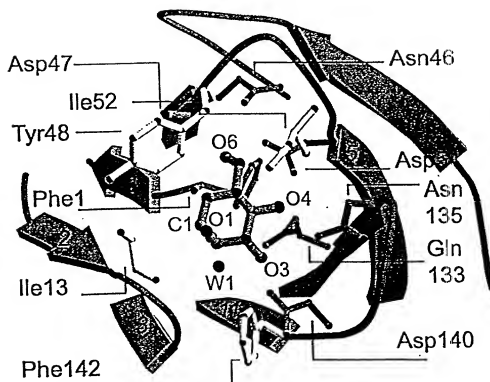


Figure 2
Sheet 6 of 36

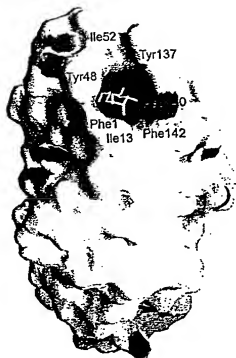
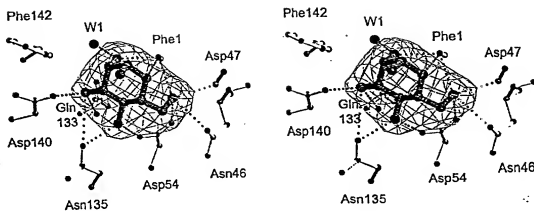


Figure 2
Sheet 7 of 36

100121-58051001

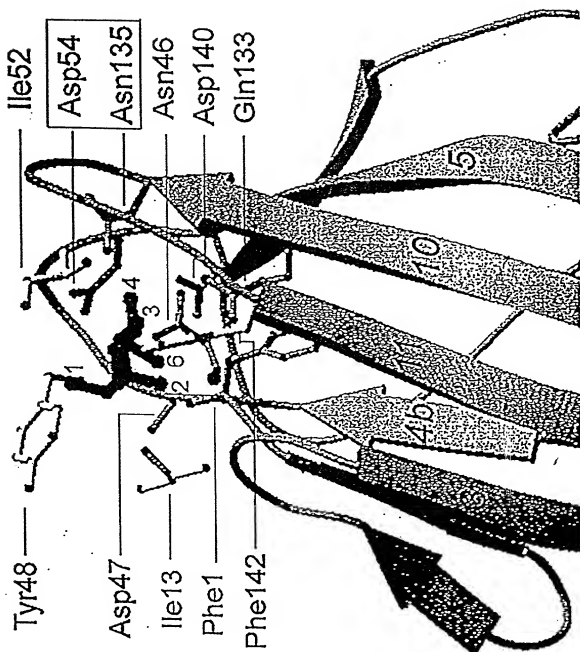


Figure 2
Sheet 8 of 36

100F21-58051001

142	ROINNANSIDE											
132												
126	I	I										
119	A											
118	V											
110	P											
78	S	N										
76	K											
74	T											
70	N	S										
66	G											
62	S	A	A									
54	CHANDYPERIND											
44												
42	I	I										
37	V	A	A	A	A	A		A	A			
26	P							I				
13												
1												

J96

EC45

B217

DS17

B212

EC42

B210

B228

B238

B240

B242

EC58

EC60

EC61

EC80

EC95

EC189

Figure 3
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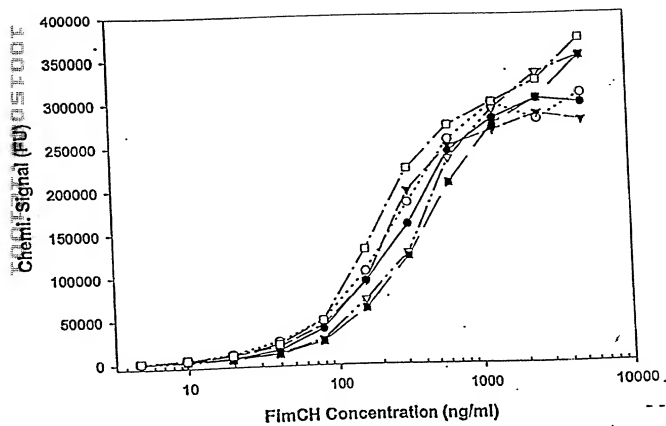
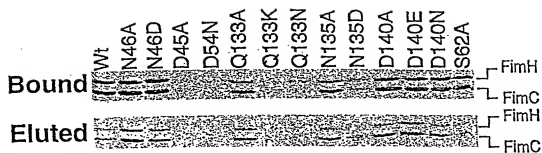


Figure 4
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a)



b)

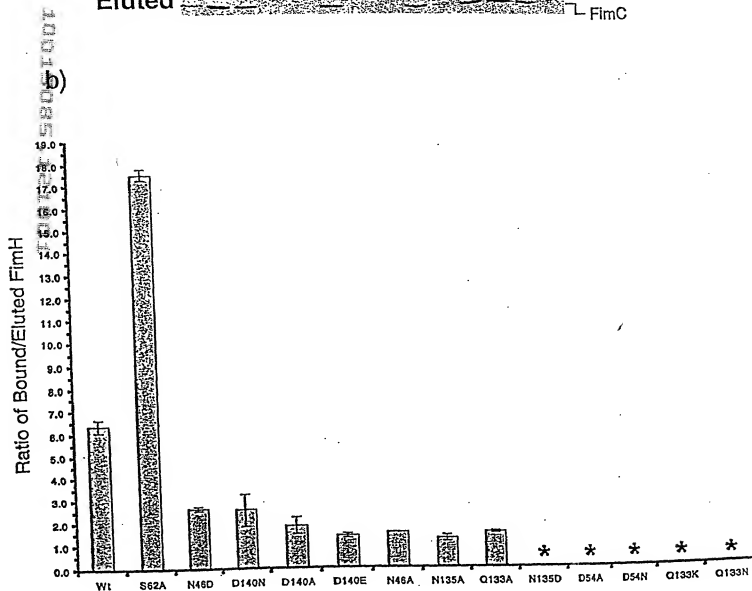


Figure 5
Sheet 11 of 36

A)

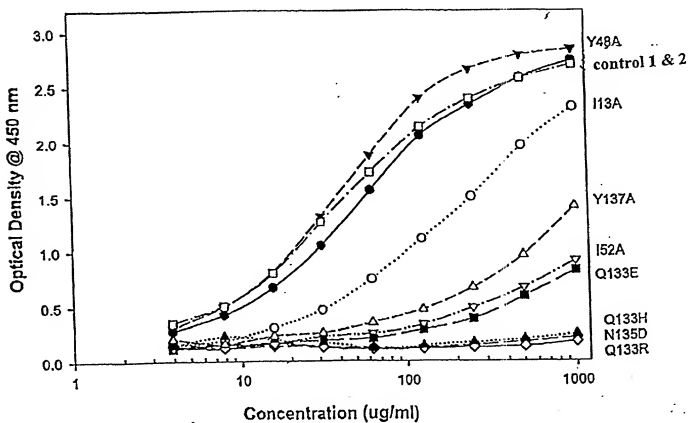
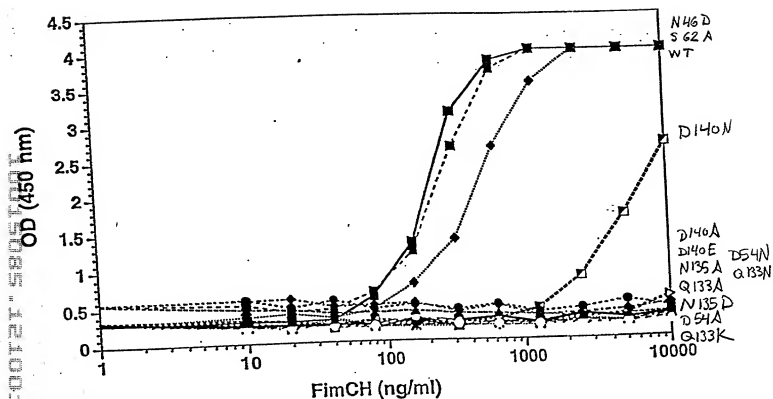


Figure 6
Sheet 12 of 36

B)

10271-037

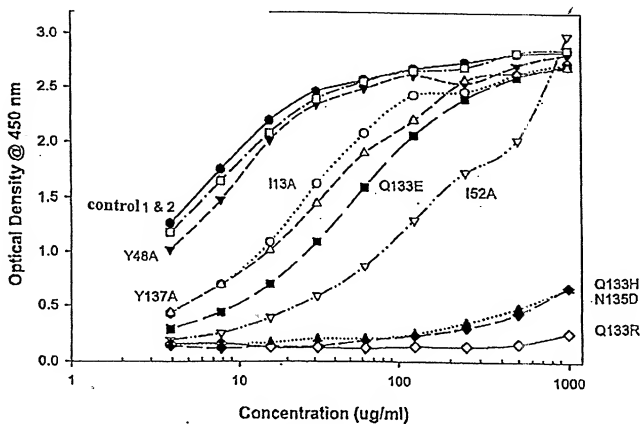
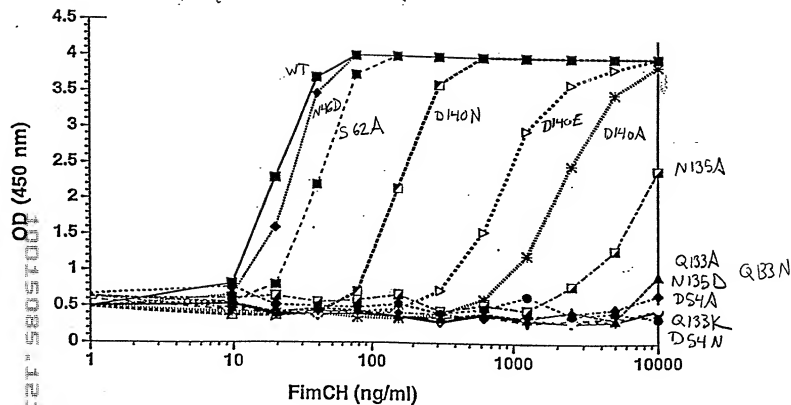
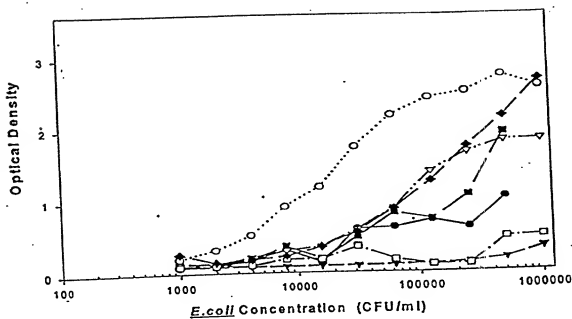


Figure 6
Sheet 10 of 20

A



B

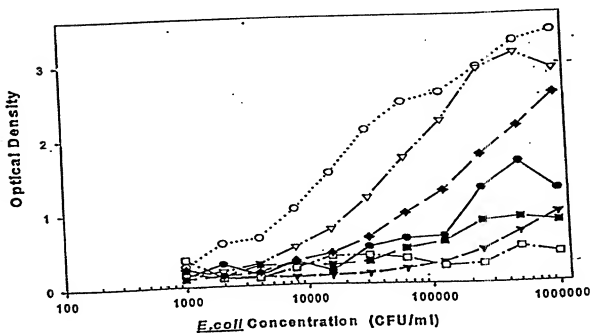


Figure 7
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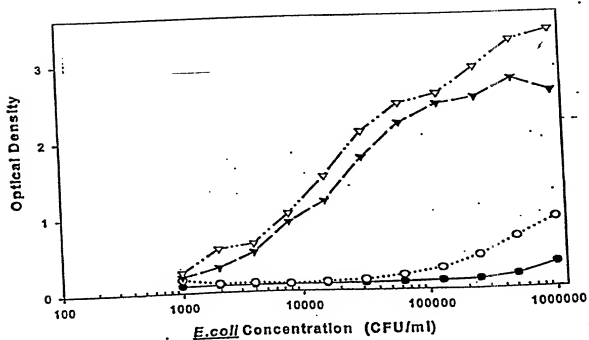
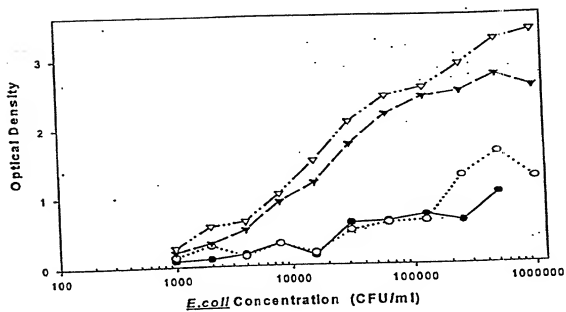


Figure 7
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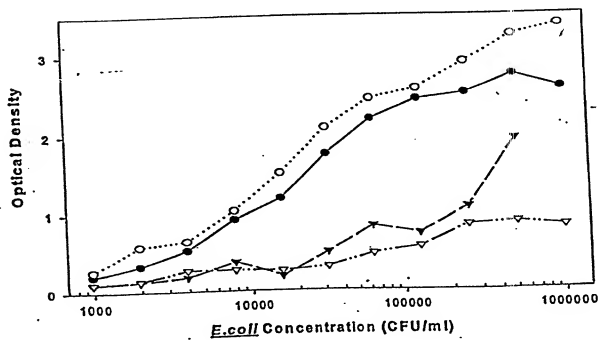
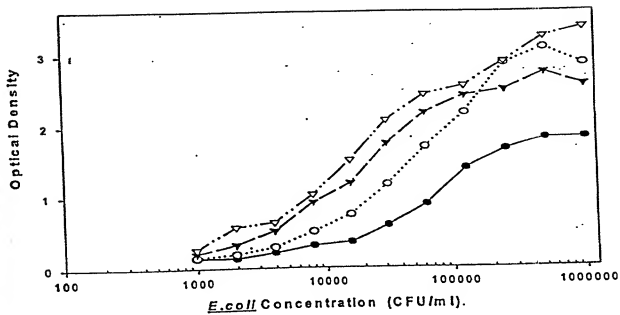


Figure 7
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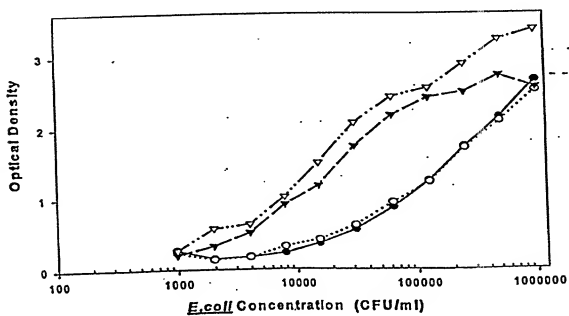
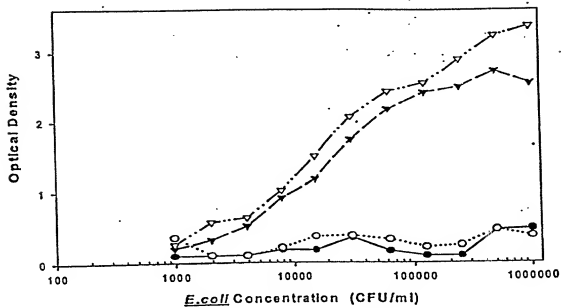


Figure 7
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10271-037

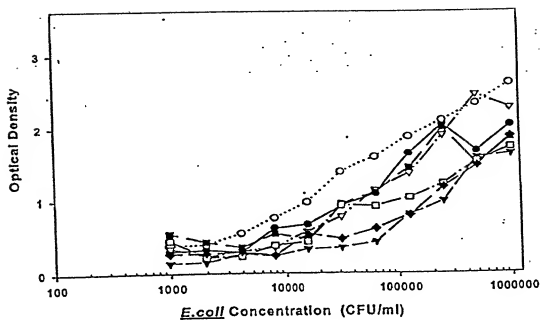
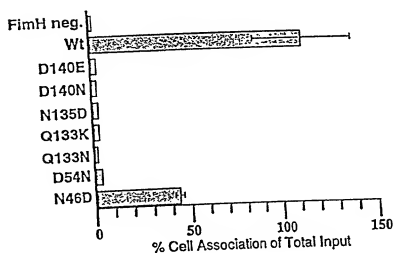
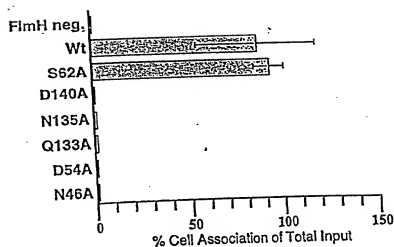


Figure 7
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a)



B)

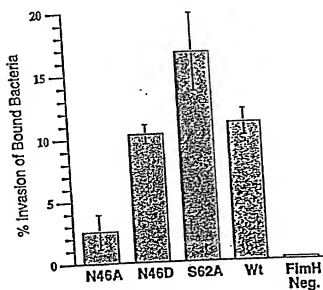


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10015085-121001

10271-037

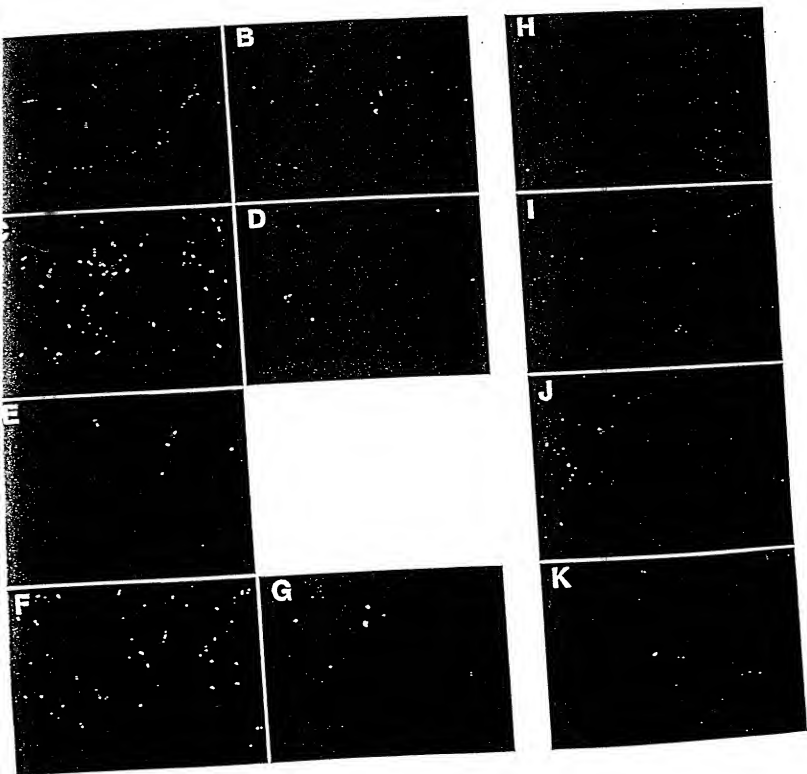


Figure 9
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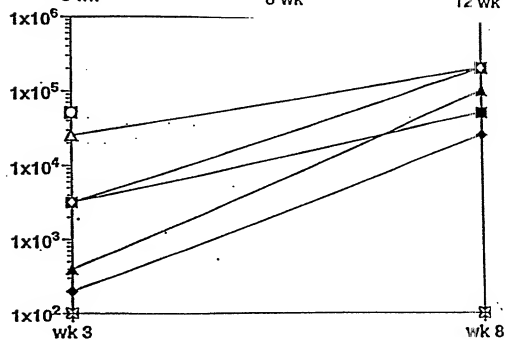
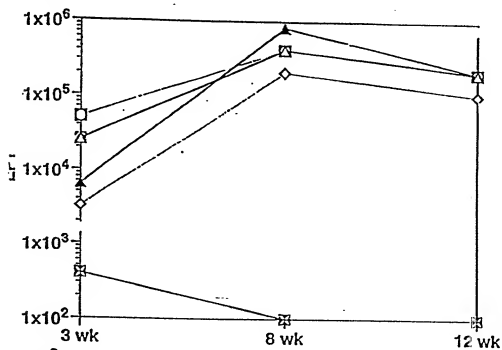
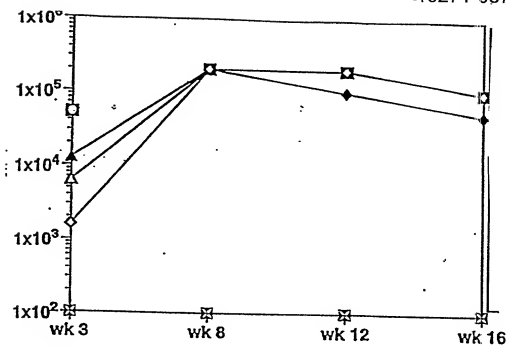


Figure 10
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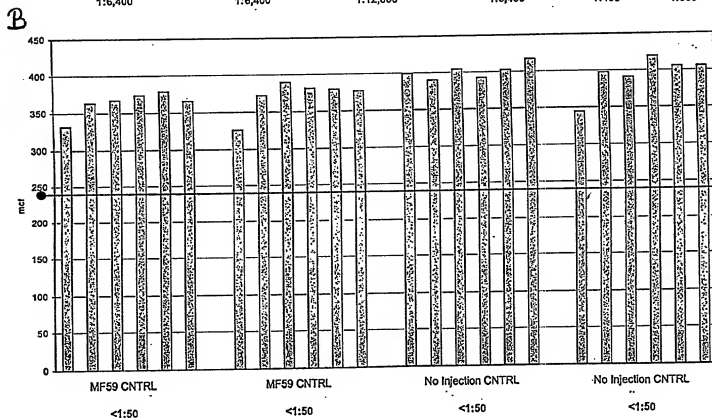
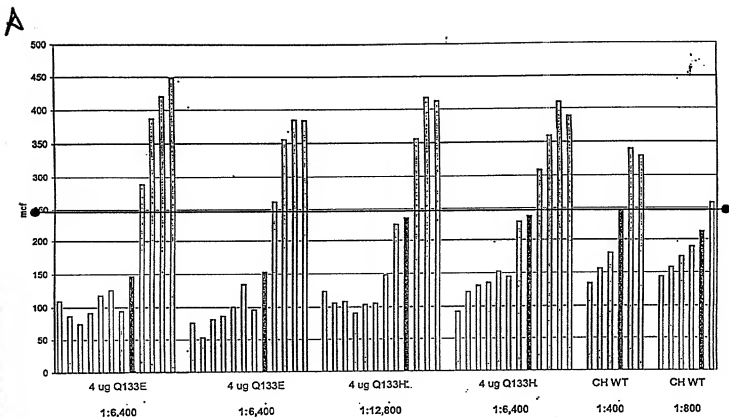
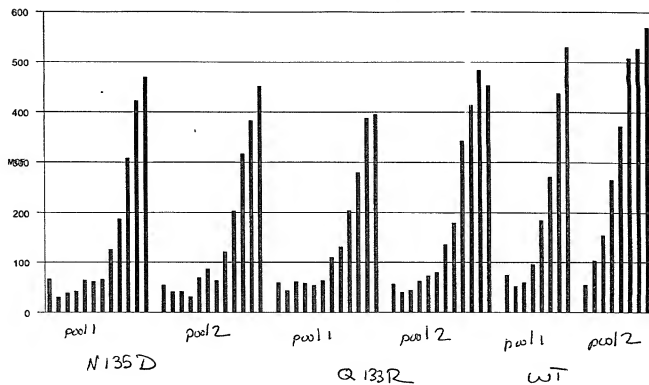


Figure 11
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10015085.121001

C



D

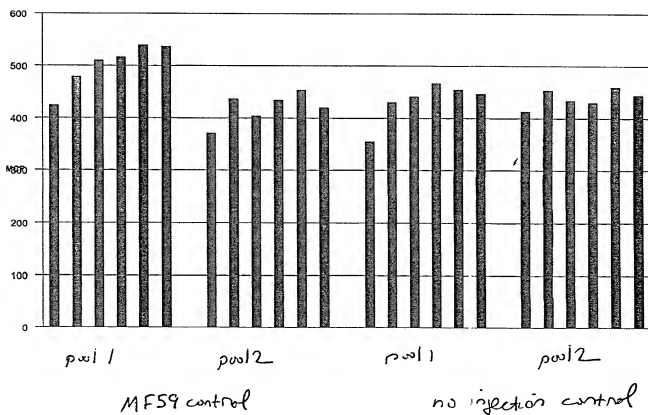


Figure 11
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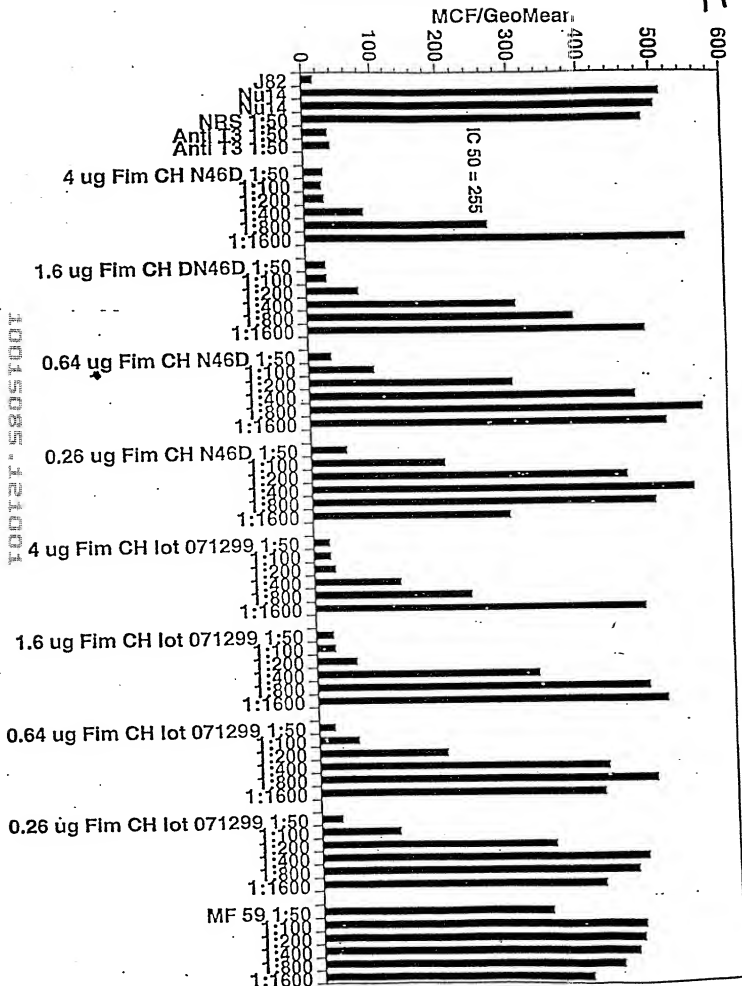


Figure 12
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B

MCF/GeoMear

0 100 200 300 400 500 600 700

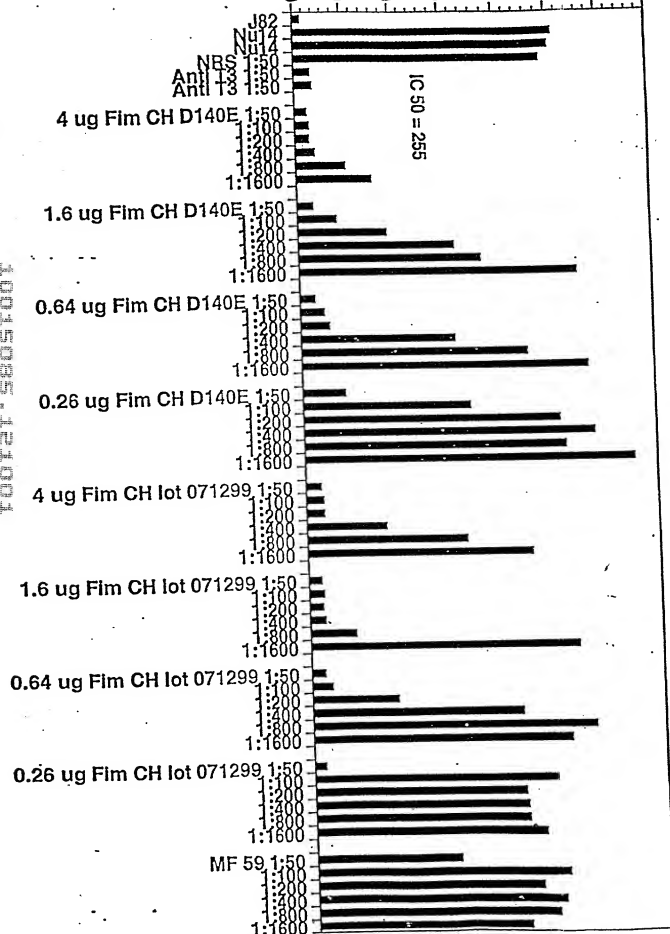


Figure 12
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C

MCF/GeoMean

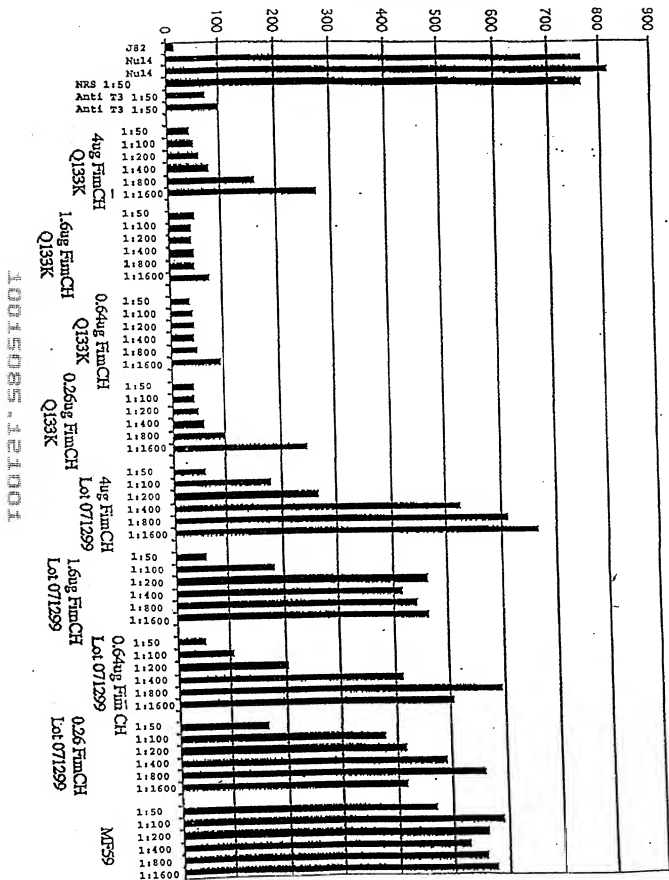


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D

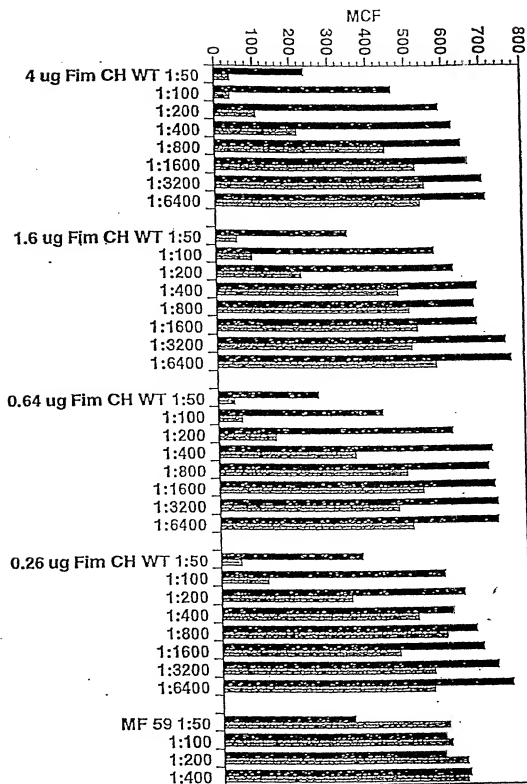


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E

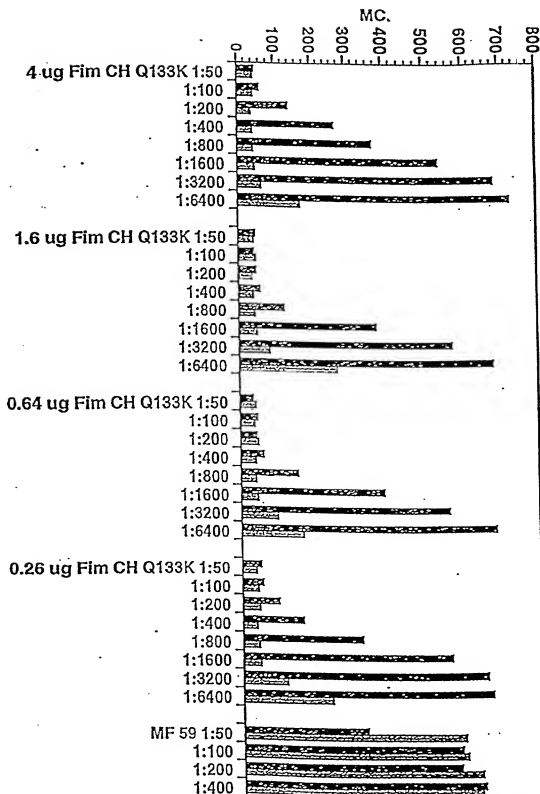


Figure 12
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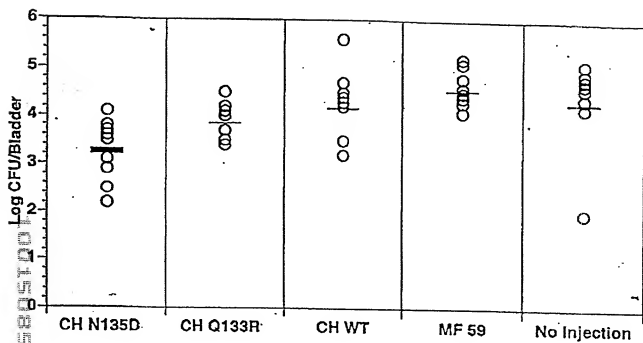


Figure 13
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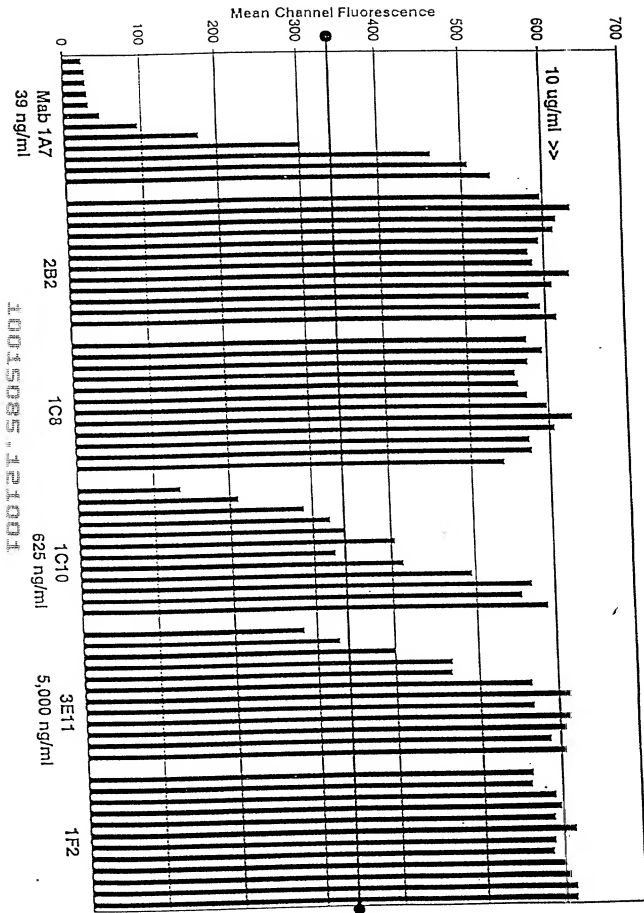


Figure 14
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A

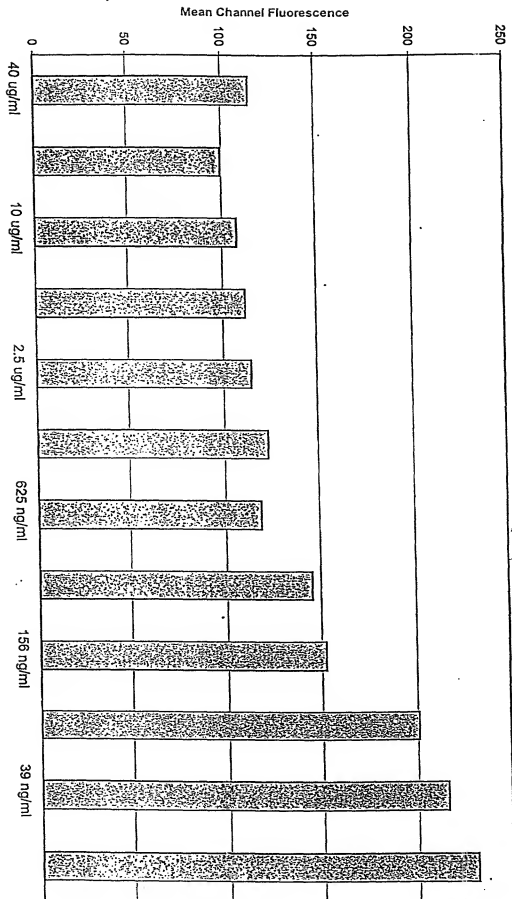


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10015085.121001

B

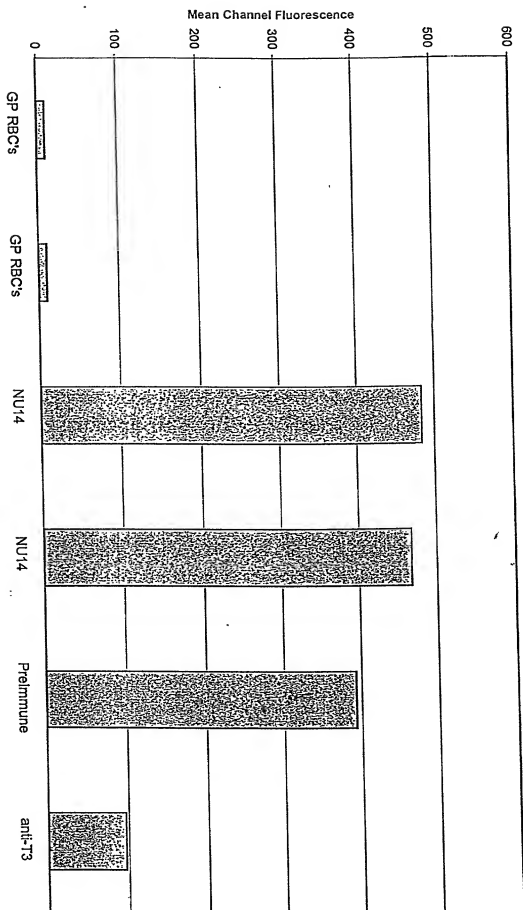


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10015085.121001

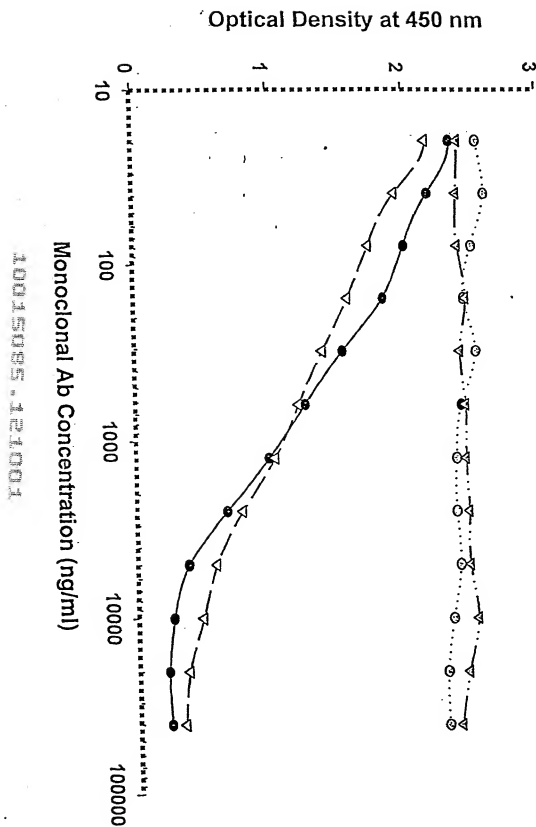


Figure 16
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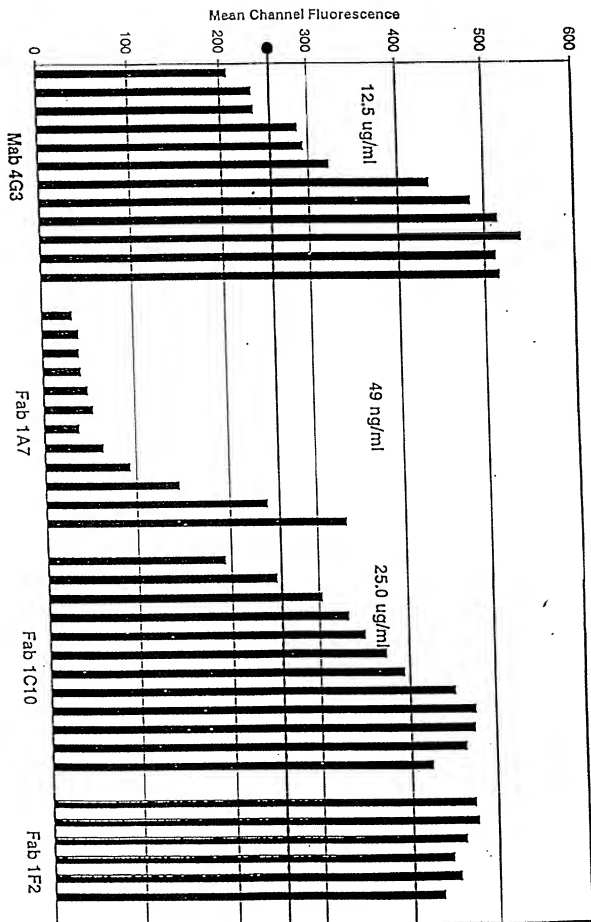


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10015085.121001

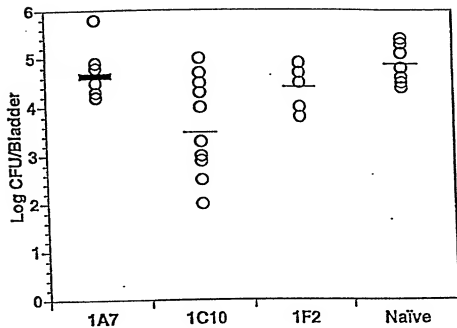
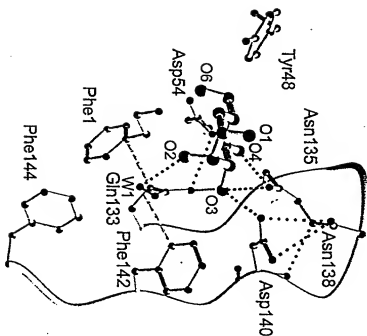


Figure 18
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a



b

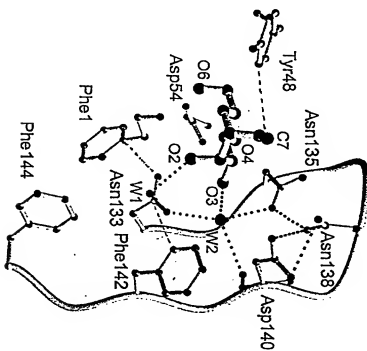


Figure 19
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